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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant(s) | Ahmed, et al. | Examiner: | Unassigned |
| Serial No.: | 10/573,056 | Group Art Unit: | Unassigned |
| Confirmation No: | Unassigned | Docket: | 1038-17 PCT/US |
| Filed: | March 22, 2006 | Dated: | May 22, 2006 |

For: METHOD AND APPARATUS FOR THE
SEPARATION OF FLUORESCENCE
AND ELASTIC SCATTERING
PRODUCED BY BROADBAND
ILLUMINATION USING
POLARIZATION DISCRIMINATION
TECHNIQUES

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

*I hereby certify this correspondence is being deposited with
the United States Postal Service as first class mail, postpaid
in an envelope, addressed to:
Commissioner for Patents, P.O. Box 1450,
Alexandria, Virginia 22313-1450*

on May 22, 2006

Signed:

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.
§1.56, Applicants submit herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

NON-PATENT PUBLICATIONS

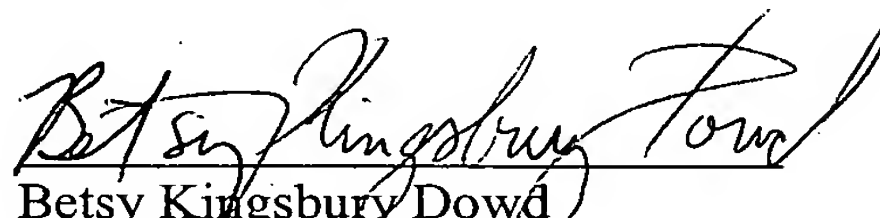
1. Fuchs, "Separating the Fluorescence and Reflectance Components of Coral Spectra,"
Applied Optics, Vol. 40, No. 21, pp. 3614-3621 (July 20, 2001).
2. Cunningham, et al., "Brewster-angle Measurements of Sea-surface Reflectance Using
a High Resolution Spectroradiometer," J. Opt. A: Pure Appl. Opt. 4, S29-S33 (2002).

3. S.P. Schilders, et al., "Effect of Scatterer Size on Microscopic Imaging Through Turbid Media Based on Differential Polarisation-Gating," Optics Communications 157, pp. 238-248 (1998).
4. J.M. Schmitt, et al., "Use of Polarized Light to Discriminate Short-Path Photons in a Multiply Scattering Medium," Applied Optics, Vol. 31, No. 30, pp. 6535-6546 (October 20, 1992).
5. S.G. Demos, et al., "Temporal Gating in Highly Scattering Media by the Degree of Optical Polarization," Optics Letters, Vol. 21, No. 2, pp. 161-163 (January 15, 1996).
6. Stephen P. Morgan, et al., "Effects of Polarization State and Scatterer Concentration on Optical Imaging Through Scattering Media," Applied Optics, Vol. 36, No. 7, pp. 1560-1565 (March 1, 1997).
7. J.F.R. Gower, et al., "Interpretation of the 685 nm Peak in Water-Leaving Radiance Spectra in Terms of Fluorescence, Absorption and Scattering, and its Observation by MERIS," Int. J. Remote Sensing, Vol. 20, No. 9, pp. 1771-1786 (1999).
8. A.A. Gitelson, et al., "Remote Estimation of Chlorophyll Concentration in Productive Waters: Principals, Algorithm Development and Validation," Proc. of NWQMC, 149 (2000).

The above-referenced documents are listed on Form PTO-1449. We have enclosed the cited documents to facilitate reference to them.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,


Betsy Kingsbury Dowd
Registration No.: 52,830
Attorney for Applicants

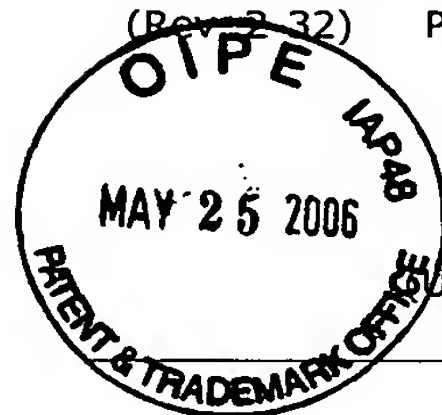
HOFFMANN & BARON, LLP
6900 Jericho Turnpike
Syosset, New York 11791
(516) 822-3550

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
1038-17 PCT/US

SERIAL NO.
10/573,056



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Ahmed, et al.

CONFIRMATION NO.
Unassigned

FILING DATE
March 22, 2006

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U.S. PATENT PUBLICATIONS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

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| | | | | | | | YES | NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

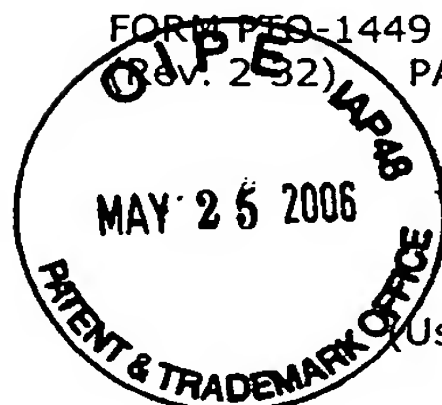
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| | | | Fuchs, "Separating the Fluorescence and Reflectance Components of Coral Spectra," Applied Optics, Vol. 40, No. 21, pp. 3614-3621 (July 20, 2001) |
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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. 1038-17 PCT/US | SERIAL NO. 10/573,056 |
| | APPLICANT Ahmed, et al. | CONFIRMATION NO. Unassigned |
| | FILING DATE March 22, 2006 | GROUP Unassigned |



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| | | J.M. Schmitt, et al., "Use of Polarized Light to Discriminate Short-Path Photons in a Multiply Scattering Medium," Applied Optics, Vol. 31, No. 30, pp. 6535-6546 (October 20, 1992) |
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